

Amendments to the Claims:

This listing of claims below will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A bridge fitting for use in a fluid manifold system for being in fluid communication with two or more surface mounted fluid components having an inlet port and an adjacent outlet port, the bridge fitting comprising:

a housing further comprising a first port connected to a second port, with an internal fluid passageway joining said first and second port; and at least one projection extending from a substantially planar surface of the housing, wherein the at least one projection is spaced apart from the passageway.

2. (Currently Amended) The bridge fitting of claim 1 ~~further~~ comprising first and second projections extending from the housing.

3. (Currently Amended) The bridge fitting of claim ~~1~~ 2 wherein the second projection is located opposite the first port.

4. (Original) The bridge fitting of claim 2 wherein the second projection has a size different than said first projection.

5. (Original) The bridge fitting of claim 2 wherein the second projection has a different shape than said first projection.

6. (Currently Amended) The bridge fitting of claim ~~1~~ 2 wherein said first projection comprises a first boss extending from a lower surface of said housing.

7. (Currently Amended) The bridge fitting of claim ~~2~~ 6 wherein said second projection comprises a second boss extending from a lower surface of said housing.

8. - 11. (Canceled).

12. (Original) A modular fluid system for connecting with two or more surface mount type fluid components each having an inlet port and an adjacent aligned outlet port, the modular system comprising:

one or more bridge fittings, wherein each of said bridge fitting comprises a housing and a projection extending from said housing;

a channel block having a groove for receiving said bridge fitting therein and an aligned complementary shaped hole for receiving said projection; said complementary shaped hole and said projection being in a cooperative relationship so that a port of said surface mount fluid component is aligned and in fluid communication with a port of said bridge fitting.

13. (Original) The manifold system of claim 12 wherein said projection comprises a boss extending from a bottom surface of said housing, and said aligned hole is located on a bottom wall of said channel.

14. (Original) The modular fluid system of claim 12 wherein said bridge fitting further comprises a second projection extending from said housing and an aligned complementary shaped hole for receiving said second projection, wherein said second projection is different than said first projection.

15. (Original) The modular fluid system of claim 12 wherein said system further comprises two channel blocks and a connector block for joining said channel blocks together; said connector block being sized to maintain the surface mount valve spacing.

16. (Original) The modular fluid system of claim 12 wherein said first projection of said bridge fitting comprises a first shape extending from a side of the bridge fitting housing, and said channel block having an aligned slot in a sidewall for receiving said first shape.

17. (Original) The modular fluid system of claim 12 wherein said first projection is sized to be retained in said hole of said channel block when the channel block is in a vertical orientation.

18. (Currently Amended) A modular fluid system for connecting with two or more surface mount type fluid components each having an inlet port and an adjacent aligned outlet port, the modular system comprising:

~~one or more~~ a bridge fittings, ~~wherein each of said bridge fitting comprises~~ ing a housing, ~~and a first and second projection extending from said housing, and a first and second port,~~ wherein said first and second projections are geometrically different from each other;

a channel block having a groove for receiving said bridge fittings therein, said groove ~~further~~ comprising ~~a~~ first and second complementary shaped holes for receiving said first and second bridge fitting projections, wherein said first and second bridge fitting ports are aligned with the respective ports of ~~said~~ corresponding surface mount fluid components.

19. - 24. (Canceled).

25. (New) A modular fluid system for connecting with a surface mount fluid component having an inlet port and an adjacent aligned outlet port, the modular system comprising:

a bridge fitting, comprising a housing, a port disposed on the housing, an internal passageway extending from the port, and a bridge fitting locating feature disposed on the housing, wherein said bridge fitting locating feature is spaced apart from said passageway; and

a block having a groove for receiving the bridge fitting therein and an aligned complementary shaped block locating feature for engaging the bridge fitting locating feature; the block locating feature and the bridge fitting locating feature being in a cooperative relationship so that a port of the surface mount fluid component is aligned and in fluid communication with the port of the bridge fitting when the surface mount fluid component is assembled to the block.

26. (New) The modular fluid system of claim 25 wherein said bridge fitting locating feature comprises a projection.

27. (New) The modular fluid system of claim 26 wherein said projection comprises a boss extending from a bottom surface of the housing, and the block locating feature is a hole located on a bottom wall of the groove.

28. (New) The modular fluid system of claim 25 wherein the bridge fitting further comprises a second bridge fitting locating feature disposed on the housing, and the block further comprises an aligned complementary shaped second block locating feature for engaging the second bridge fitting locating feature.

29. (New) The modular fluid system of claim 28 wherein the second bridge fitting locating feature is geometrically different than the first bridge fitting locating feature.

30. (New) The modular fluid system of claim 25 further comprising a second block and a connector block for joining said blocks together; said connector block being sized to maintain the a predetermined distance between the channel blocks.

31. (New) The modular fluid system of claim 26 wherein the projection of the bridge fitting extends from a side surface of the bridge fitting housing, and the block locating feature comprises a slot in a sidewall aligned for receiving the projection.

32. (New) The modular fluid system of claim 25 wherein the bridge fitting locating feature and the block locating feature are sized to maintain engagement when the groove is in a vertical orientation.

33. (New) The modular fluid system of claim 26, wherein the projection extends from a substantially planar surface of the housing of the bridge fitting.

34. (New) A bridge fitting comprising:

a housing comprising:

a first port coplanar with a second port;

an internal fluid passageway within the housing, wherein at least a portion of the internal fluid passageway connects said first and second ports; and

a locating feature disposed on a substantially planar surface of the housing, the locating feature being spaced apart from the internal passageway.

35. (New) The bridge fitting of claim 34, wherein the locating feature comprises a projection.

36. (New) A bridge fitting comprising:

a housing comprising a first port disposed on a first side of the housing, a second port non-coaxial with the first port and disposed on a second side of the housing opposite the first side of the housing, and an internal fluid passageway comprising first and second elbow portions for connecting said first and second ports.

37. (New) The bridge fitting of claim 36, further comprising a locating feature disposed on the housing, the locating feature being spaced apart from the passageway.

38. (New) The bridge fitting of claim 37, wherein the locating feature comprises a projection.